Access DB# 138217

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Art Unit: /752 Pho Mail Box and Bldg/Room Loca	Sin J. Lee ne Number $30 \ \Omega = 1$	Examiner #: 76060 Date: //- 333 Scrial Number: 10/6907 Results Format Preferred (circle): PAPER DISK	16-04
If more than one search is su	ibmitted inlease pric	oritiza sparahan in andarras arras	
Please provide a detailed statement of Include the elected species or structur utility of the invention. Define any te known, Please attach a copy of the co	the search topic, and desc es, keywords, synonyms, a rms that may have a speci	************************************ cribe as specifically as possible the subject matter to be sea acronyms, and registry numbers, and combine with the colal meaning. Give examples or relevant citations, authors, and abstract.	riched. ncept or etc, if
Title of Invention:Pho	toresists co	George G; Kanagasalo	
Inventors (please provide full names	s): <u>Barclay</u>	George G; Kanagasab	apathy,
		Subbaredd	
Earliest Priority Filing Date:	10-21-03		
арргоргийе seriai namper.		tion (parent, child, divisional, or issued patent numbers) along	with the
Please.	Search for	a polymer	
that co	mprises 11 +1	Le	
This polymer	Prepart OH CF3-C-CF8 CH2 OH OH OH OH OH OH OH OH OH	Starty Mich m this points	
s to be used in postore	: magenble com #*#2375***********	**************************************	e e e e e e e e e e e e e e e e e e e
- IS	Type of Search	Yendors and cost where applicable	
Searcher Phone #:			
Searcher Location:		Dialog Contal/Orbits	1
Date Searcher Picked Up:	· ·	Questel/Orbit	in the second se
Date Completed:	· · ·	Dr.Link	
Searcher Prep & Review Time:		Lexis/Nexis	-
Clerical Prep Time:	Patent Family		- English
Online Time:	Other	Other (specify)	-
TO-1590 (8-01)		NET THE STATE OF T	-

EIC17000

Questions about the scope or the results of the search? Contact the EIC searcher or contact:

Kathleen Fuller, EIC 1700 Team Leader 571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form		
 I am an examiner in Workgroup: Example: 1713 Relevant prior art found, search results used as follows: 		
☐ 102 rejection		
☐ 103 rejection		
Cited as being of interest.		
Helped examiner better understand the invention.		
Helped examiner better understand the state of the art in their technology.		
Types of relevant prior art found:		
☐ Foreign Patent(s)		
 Non-Patent Literature (journal articles, conference proceedings, new product announcements etc.) 		
> Relevant prior art not found:		
Results verified the lack of relevant prior art (helped determine patentability).		
Results were not useful in determining patentability or understanding the invention.		
Comments:		

Drop off or send completed forms to EIC1700 REMSEN 4B28



=> => fil reg FILE 'REGISTRY' ENTERED AT 11:34:16 ON 26 NOV 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9 DICTIONARY FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> d his

(FILE 'HOME' ENTERED AT 09:54:13 ON 26 NOV 2004)

FILE 'LREGISTRY' ENTERED AT 09:54:22 ON 26 NOV 2004 L1 $${\tt STR}$$

FILE 'HCA' ENTERED AT 09:59:59 ON 26 NOV 2004

E BARKLAY G/AU

E KANAGASABAPATHY S/AU

E BARCLAY, G/AU

L2 43 S E3-E9

E KANAGASABAPATHY S/AU

L3 27 S E3-E9

E BARCLAY, G/AU

E BARCLAY G/AU

L4 0 S E3 AND E7

L5 28 S E3 OR E7

L6 0 S L3 AND L5

FILE 'REGISTRY' ENTERED AT 10:30:53 ON 26 NOV 2004

FILE 'LREGISTRY' ENTERED AT 10:36:53 ON 26 NOV 2004 STR L1

FILE 'REGISTRY' ENTERED AT 10:38:13 ON 26 NOV 2004
L8 0 S L7 SAM
SET COST OFF PERM

FILE 'LREGISTRY' ENTERED AT 10:52:54 ON 26 NOV 2004 L9 STR L7

FILE 'REGISTRY' ENTERED AT 10:59:49 ON 26 NOV 2004 1.10 0 S L9

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FILE 'HCAPLUS' ENTERED AT 11:03:26 ON 26 NOV 2004
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L11 1682 S BARCLAY ?/AU

L12 91 S KANAGASABAPATHY ?/AU

113 9 S L11 AND L12 SEL L13 2 RN

FILE 'REGISTRY' ENTERED AT 11:12:53 ON 26 NOV 2004

L14 11 S E1-E11

L15 3 S L9 FUL

SAV L15 LEE217/A

FILE 'CAOLD' ENTERED AT 11:28:07 ON 26 NOV 2004 0 S L15

FILE 'HCAPLUS' ENTERED AT 11:28:25 ON 26 NOV 2004 L17 1 S L15

FILE 'REGISTRY' ENTERED AT 11:34:16 ON 26 NOV 2004

=> d l15 que stat L9 STR



VAR G1=CL/O VPA 11-6/5/2/7/1/4/3 U NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE L15 3 SEA FILE=REGISTRY SSS FUL L9

100.0% PROCESSED 167 ITERATIONS SEARCH TIME: 00.00.01

3 ANSWERS

=> file hcaplus FILE 'HCAPLUS' ENTERED AT 11:34:56 ON 26 NOV 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 26 Nov 2004 VOL 141 ISS 22 FILE LAST UPDATED: 24 Nov 2004 (20041124/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 117 1 cbib abs hitstr hitind

L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN 2004:732316 Document No. 141:251436 Silicon-containing fluorinated polymers and photoresists comprising same. Barclay, George G.; Kanagasabapathy, Subbareddy; Pohlers, Gerhard (Rohm and Haas Electronic Materials, L.L.C., USA). Fur. Pat. Appl. EP 1455229 A1 20040908, 22 pp DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, MU, SK, HR. (English). CODEN: EPXXDW. APPLICATION: EP 2004-250947 20040223. PRIORITY: US 2003-PV449787 20030223.

AB Photoimageable compns. are provided that contain Si-polymers that have a specified ratio of fluorine atoms to Si atoms. Preferred photoresists of the invention can exhibit enhanced resistance to plasma etchants.

753003-49-5DP, hydrolized
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of silicon-containing fluorinated polymers for photoresists)

RN 753003-49-5 HCAPLUS CN Bicyclo[2.2.1]heptane

Bicyclo[2.2.1]heptane-2-carboxylic acid, 6-(trichlorosilyl)-, 2-(acetyloxy)ethyl ester, polymer with 6-(trichlorosilyl)- α , α -bis(trifluoromethyl)bicyclo[2.2.1]heptane-2-cthanol (9CI) (CA INDEX NAME)

CM 1

CRN 753003-48-4 CMF C12 H17 C13 O4 Si Date not good

Cl₃Si

|| | C-O-CH₂-CH₂-OAc

CM 2

CRN 753003-43-9 CMF C11 H13 C13 F6 O Si

IT 753003-44-0P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of silicon-containing fluorinated polymers for photoresists)

RN 753003-44-0 HCAPLUS

CN Bicyclo[2.2.1]heptane-2-carboxylic acid, 6-(trichlorosilyl)-, 1,1-dimethylethyl ester, polymer with 6-(trichlorosilyl)- α , α -bis(trifluoromethyl)bicyclo[2.2.1]heptane-2-ethanol (9CI) (CA INDEX NAME)

CM 1

CRN 753003-43-9 CMF C11 H13 CL3 F6 O Si

CM 2

CRN 631896-39-4 CMF C12 H19 C13 O2 Si

IC ICM G03F007-075

CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 35, 38

1T 287923-92-6P 685901-31-9P 685901-34-2P **753003-49-5DP**, hydrolized

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of silicon-containing fluorinated polymers for photoresists)

753003-44-0P 753003-46-2P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of silicon-containing fluorinated polymers for photoresists)

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